

Title (en)
Equipment for the removal of air out of pulverulent materials.

Title (de)
Anordnung für die Entfernung von Luft aus körnigen Stoffen.

Title (fr)
Equipement pour enlever l'air des matières pulvérulentes.

Publication
EP 0125585 A1 19841121 (EN)

Application
EP 84105067 A 19840504

Priority
FI 831654 A 19830511

Abstract (en)
[origin: US4573504A] Equipment for the removal of air out of pulverulent materials before the product is packaged or transferred. The equipment comprises a storage silo (1), out of which the pulverulent material to be packaged flows readily into the packaging vessel placed underneath. At a distance from the tight exterior wall (8) of the packaging vessel, there is a metallic porous face of lining material (9), through which it is possible to remove air out of the packaging vessel or to feed pressurized air into the packaging vessel through the space between the exterior wall of the packaging vessel and the said porous face of lining material. The space between the exterior wall of the packaging vessel and the face of lining material is divided air-tightly, in the direction of progress of the pulverulent material, by means of partition walls, into at least two, preferably three, four or five compartments (3 to 7) separate from each other. A suction or pressure of desired magnitude is arranged as connectable to each of the said compartments independently from each other.

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IPC 8 full level
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B65B 63/028 (2013.01 - EP US)

Citation (search report)
CH 533537 A 19730215 - GERICKE & CO [CH]

Cited by
US5746830A; EP0224621A1; DE4103835A1; US5624522A; GB2227482A; US5405647A; US5599581A; US5520889A; GB2212790A; US4974646A; GB2212790B; GB2158813A; WO0114210A1; EP1283169A2; US6688345B1; WO2022097027A1

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